# radiative mean lifetimes of Hydrogen levels (n,l)

# calculated using formulae of H.C. Goldwire, Ap.J. 17 (1968) 445-466.

# James F. Babb 10/16/14

#

# n l lifetime (s)

70 69 1.548e-01

70 68 1.504e-01

70 67 1.460e-01

70 66 1.417e-01

70 65 1.374e-01

70 64 1.332e-01

70 63 1.291e-01

70 62 1.250e-01

70 61 1.210e-01

70 60 1.170e-01

70 59 1.131e-01

70 58 1.093e-01

70 57 1.055e-01

70 56 1.018e-01

70 55 9.817e-02

70 54 9.459e-02

70 53 9.107e-02

70 52 8.762e-02

70 51 8.424e-02

70 50 8.092e-02

70 49 7.766e-02

70 48 7.448e-02

70 47 7.135e-02

70 46 6.830e-02

70 45 6.531e-02

70 44 6.239e-02

70 43 5.954e-02

70 42 5.675e-02

70 41 5.403e-02

70 40 5.138e-02

70 39 4.880e-02

70 38 4.629e-02

70 37 4.384e-02

70 36 4.147e-02

70 35 3.916e-02

70 34 3.692e-02

70 33 3.475e-02

70 32 3.264e-02

70 31 3.061e-02

70 30 2.864e-02

70 29 2.674e-02

70 28 2.491e-02

70 27 2.314e-02

70 26 2.144e-02

70 25 1.981e-02

70 24 1.825e-02

70 23 1.676e-02

70 22 1.533e-02

70 21 1.396e-02

70 20 1.267e-02

70 19 1.144e-02

70 18 1.027e-02

70 17 9.170e-03

70 16 8.133e-03

70 15 7.161e-03

70 14 6.253e-03

70 13 5.408e-03

70 12 4.626e-03

70 11 3.907e-03

70 10 3.250e-03

70 9 2.654e-03

70 8 2.120e-03

70 7 1.647e-03

70 6 1.234e-03

70 5 8.817e-04

70 4 5.886e-04

70 3 3.547e-04

70 2 1.796e-04

70 1 6.309e-05

69 68 1.440e-01

69 67 1.398e-01

69 66 1.357e-01

69 65 1.316e-01

69 64 1.276e-01

69 63 1.237e-01

69 62 1.198e-01

69 61 1.159e-01

69 60 1.121e-01

69 59 1.084e-01

69 58 1.047e-01

69 57 1.011e-01

69 56 9.757e-02

69 55 9.408e-02

69 54 9.065e-02

69 53 8.728e-02

69 52 8.398e-02

69 51 8.074e-02

69 50 7.755e-02

69 49 7.444e-02

69 48 7.138e-02

69 47 6.839e-02

69 46 6.547e-02

69 45 6.260e-02

69 44 5.981e-02

69 43 5.707e-02

69 42 5.440e-02

69 41 5.180e-02

69 40 4.926e-02

69 39 4.678e-02

69 38 4.437e-02

69 37 4.203e-02

69 36 3.975e-02

69 35 3.754e-02

69 34 3.539e-02

69 33 3.331e-02

69 32 3.129e-02

69 31 2.934e-02

69 30 2.745e-02

69 29 2.563e-02

69 28 2.387e-02

69 27 2.218e-02

69 26 2.055e-02

69 25 1.899e-02

69 24 1.749e-02

69 23 1.606e-02

69 22 1.469e-02

69 21 1.338e-02

69 20 1.214e-02

69 19 1.096e-02

69 18 9.842e-03

69 17 8.787e-03

69 16 7.794e-03

69 15 6.862e-03

69 14 5.991e-03

69 13 5.182e-03

69 12 4.432e-03

69 11 3.743e-03

69 10 3.114e-03

69 9 2.543e-03

69 8 2.031e-03

69 7 1.578e-03

69 6 1.183e-03

69 5 8.446e-04

69 4 5.638e-04

69 3 3.397e-04

69 2 1.720e-04

69 1 6.043e-05

68 67 1.338e-01

68 66 1.299e-01

68 65 1.260e-01

68 64 1.222e-01

68 63 1.184e-01

68 62 1.147e-01

68 61 1.110e-01

68 60 1.074e-01

68 59 1.038e-01

68 58 1.003e-01

68 57 9.683e-02

68 56 9.344e-02

68 55 9.010e-02

68 54 8.682e-02

68 53 8.360e-02

68 52 8.043e-02

68 51 7.733e-02

68 50 7.429e-02

68 49 7.130e-02

68 48 6.838e-02

68 47 6.551e-02

68 46 6.271e-02

68 45 5.997e-02

68 44 5.729e-02

68 43 5.467e-02

68 42 5.212e-02

68 41 4.962e-02

68 40 4.719e-02

68 39 4.482e-02

68 38 4.251e-02

68 37 4.026e-02

68 36 3.808e-02

68 35 3.596e-02

68 34 3.390e-02

68 33 3.191e-02

68 32 2.998e-02

68 31 2.811e-02

68 30 2.630e-02

68 29 2.455e-02

68 28 2.287e-02

68 27 2.125e-02

68 26 1.969e-02

68 25 1.819e-02

68 24 1.676e-02

68 23 1.538e-02

68 22 1.407e-02

68 21 1.282e-02

68 20 1.163e-02

68 19 1.050e-02

68 18 9.426e-03

68 17 8.415e-03

68 16 7.464e-03

68 15 6.571e-03

68 14 5.737e-03

68 13 4.962e-03

68 12 4.244e-03

68 11 3.584e-03

68 10 2.981e-03

68 9 2.435e-03

68 8 1.945e-03

68 7 1.511e-03

68 6 1.132e-03

68 5 8.085e-04

68 4 5.397e-04

68 3 3.252e-04

68 2 1.647e-04

68 1 5.784e-05

67 66 1.243e-01

67 65 1.205e-01

67 64 1.169e-01

67 63 1.133e-01

67 62 1.097e-01

67 61 1.062e-01

67 60 1.027e-01

67 59 9.932e-02

67 58 9.597e-02

67 57 9.267e-02

67 56 8.942e-02

67 55 8.623e-02

67 54 8.309e-02

67 53 8.001e-02

67 52 7.699e-02

67 51 7.402e-02

67 50 7.111e-02

67 49 6.825e-02

67 48 6.546e-02

67 47 6.272e-02

67 46 6.003e-02

67 45 5.741e-02

67 44 5.485e-02

67 43 5.234e-02

67 42 4.989e-02

67 41 4.751e-02

67 40 4.518e-02

67 39 4.291e-02

67 38 4.070e-02

67 37 3.855e-02

67 36 3.646e-02

67 35 3.443e-02

67 34 3.246e-02

67 33 3.055e-02

67 32 2.870e-02

67 31 2.691e-02

67 30 2.518e-02

67 29 2.351e-02

67 28 2.189e-02

67 27 2.034e-02

67 26 1.885e-02

67 25 1.742e-02

67 24 1.604e-02

67 23 1.473e-02

67 22 1.347e-02

67 21 1.227e-02

67 20 1.113e-02

67 19 1.005e-02

67 18 9.022e-03

67 17 8.054e-03

67 16 7.143e-03

67 15 6.289e-03

67 14 5.491e-03

67 13 4.748e-03

67 12 4.061e-03

67 11 3.430e-03

67 10 2.852e-03

67 9 2.330e-03

67 8 1.861e-03

67 7 1.445e-03

67 6 1.083e-03

67 5 7.735e-04

67 4 5.163e-04

67 3 3.111e-04

67 2 1.575e-04

67 1 5.532e-05

66 65 1.152e-01

66 64 1.117e-01

66 63 1.083e-01

66 62 1.049e-01

66 61 1.015e-01

66 60 9.823e-02

66 59 9.497e-02

66 58 9.177e-02

66 57 8.862e-02

66 56 8.552e-02

66 55 8.247e-02

66 54 7.947e-02

66 53 7.653e-02

66 52 7.364e-02

66 51 7.080e-02

66 50 6.802e-02

66 49 6.529e-02

66 48 6.262e-02

66 47 6.000e-02

66 46 5.743e-02

66 45 5.492e-02

66 44 5.247e-02

66 43 5.008e-02

66 42 4.774e-02

66 41 4.545e-02

66 40 4.322e-02

66 39 4.105e-02

66 38 3.894e-02

66 37 3.688e-02

66 36 3.488e-02

66 35 3.294e-02

66 34 3.106e-02

66 33 2.923e-02

66 32 2.746e-02

66 31 2.574e-02

66 30 2.409e-02

66 29 2.249e-02

66 28 2.095e-02

66 27 1.946e-02

66 26 1.803e-02

66 25 1.666e-02

66 24 1.535e-02

66 23 1.409e-02

66 22 1.289e-02

66 21 1.174e-02

66 20 1.065e-02

66 19 9.611e-03

66 18 8.630e-03

66 17 7.704e-03

66 16 6.832e-03

66 15 6.015e-03

66 14 5.251e-03

66 13 4.541e-03

66 12 3.884e-03

66 11 3.280e-03

66 10 2.728e-03

66 9 2.228e-03

66 8 1.779e-03

66 7 1.382e-03

66 6 1.035e-03

66 5 7.395e-04

66 4 4.935e-04

66 3 2.974e-04

66 2 1.506e-04

66 1 5.288e-05

65 64 1.067e-01

65 63 1.034e-01

65 62 1.002e-01

65 61 9.701e-02

65 60 9.385e-02

65 59 9.075e-02

65 58 8.769e-02

65 57 8.469e-02

65 56 8.173e-02

65 55 7.882e-02

65 54 7.595e-02

65 53 7.314e-02

65 52 7.038e-02

65 51 6.768e-02

65 50 6.502e-02

65 49 6.241e-02

65 48 5.986e-02

65 47 5.736e-02

65 46 5.491e-02

65 45 5.251e-02

65 44 5.017e-02

65 43 4.788e-02

65 42 4.564e-02

65 41 4.346e-02

65 40 4.133e-02

65 39 3.925e-02

65 38 3.723e-02

65 37 3.527e-02

65 36 3.335e-02

65 35 3.150e-02

65 34 2.969e-02

65 33 2.795e-02

65 32 2.625e-02

65 31 2.462e-02

65 30 2.303e-02

65 29 2.150e-02

65 28 2.003e-02

65 27 1.861e-02

65 26 1.724e-02

65 25 1.593e-02

65 24 1.467e-02

65 23 1.347e-02

65 22 1.232e-02

65 21 1.122e-02

65 20 1.018e-02

65 19 9.187e-03

65 18 8.249e-03

65 17 7.364e-03

65 16 6.530e-03

65 15 5.749e-03

65 14 5.019e-03

65 13 4.340e-03

65 12 3.712e-03

65 11 3.134e-03

65 10 2.606e-03

65 9 2.128e-03

65 8 1.700e-03

65 7 1.320e-03

65 6 9.893e-04

65 5 7.065e-04

65 4 4.715e-04

65 3 2.841e-04

65 2 1.438e-04

65 1 5.052e-05

64 63 9.875e-02

64 62 9.566e-02

64 61 9.261e-02

64 60 8.961e-02

64 59 8.665e-02

64 58 8.374e-02

64 57 8.087e-02

64 56 7.805e-02

64 55 7.527e-02

64 54 7.254e-02

64 53 6.986e-02

64 52 6.723e-02

64 51 6.464e-02

64 50 6.210e-02

64 49 5.962e-02

64 48 5.718e-02

64 47 5.479e-02

64 46 5.245e-02

64 45 5.016e-02

64 44 4.793e-02

64 43 4.574e-02

64 42 4.360e-02

64 41 4.152e-02

64 40 3.949e-02

64 39 3.750e-02

64 38 3.557e-02

64 37 3.369e-02

64 36 3.187e-02

64 35 3.009e-02

64 34 2.837e-02

64 33 2.670e-02

64 32 2.508e-02

64 31 2.352e-02

64 30 2.201e-02

64 29 2.054e-02

64 28 1.914e-02

64 27 1.778e-02

64 26 1.647e-02

64 25 1.522e-02

64 24 1.402e-02

64 23 1.287e-02

64 22 1.177e-02

64 21 1.072e-02

64 20 9.722e-03

64 19 8.776e-03

64 18 7.880e-03

64 17 7.033e-03

64 16 6.237e-03

64 15 5.491e-03

64 14 4.793e-03

64 13 4.145e-03

64 12 3.545e-03

64 11 2.993e-03

64 10 2.489e-03

64 9 2.032e-03

64 8 1.623e-03

64 7 1.261e-03

64 6 9.445e-04

64 5 6.745e-04

64 4 4.501e-04

64 3 2.712e-04

64 2 1.373e-04

64 1 4.822e-05

63 62 9.125e-02

63 61 8.835e-02

63 60 8.549e-02

63 59 8.267e-02

63 58 7.989e-02

63 57 7.716e-02

63 56 7.447e-02

63 55 7.183e-02

63 54 6.923e-02

63 53 6.667e-02

63 52 6.416e-02

63 51 6.170e-02

63 50 5.928e-02

63 49 5.691e-02

63 48 5.458e-02

63 47 5.230e-02

63 46 5.007e-02

63 45 4.789e-02

63 44 4.575e-02

63 43 4.367e-02

63 42 4.163e-02

63 41 3.964e-02

63 40 3.770e-02

63 39 3.581e-02

63 38 3.396e-02

63 37 3.217e-02

63 36 3.043e-02

63 35 2.873e-02

63 34 2.709e-02

63 33 2.550e-02

63 32 2.395e-02

63 31 2.246e-02

63 30 2.101e-02

63 29 1.962e-02

63 28 1.827e-02

63 27 1.697e-02

63 26 1.573e-02

63 25 1.453e-02

63 24 1.338e-02

63 23 1.228e-02

63 22 1.123e-02

63 21 1.023e-02

63 20 9.281e-03

63 19 8.377e-03

63 18 7.521e-03

63 17 6.713e-03

63 16 5.953e-03

63 15 5.240e-03

63 14 4.574e-03

63 13 3.955e-03

63 12 3.383e-03

63 11 2.856e-03

63 10 2.375e-03

63 9 1.939e-03

63 8 1.549e-03

63 7 1.203e-03

63 6 9.011e-04

63 5 6.434e-04

63 4 4.294e-04

63 3 2.587e-04

63 2 1.310e-04

63 1 4.600e-05

62 61 8.421e-02

62 60 8.149e-02

62 59 7.881e-02

62 58 7.617e-02

62 57 7.357e-02

62 56 7.101e-02

62 55 6.849e-02

62 54 6.601e-02

62 53 6.358e-02

62 52 6.119e-02

62 51 5.884e-02

62 50 5.654e-02

62 49 5.427e-02

62 48 5.206e-02

62 47 4.989e-02

62 46 4.776e-02

62 45 4.568e-02

62 44 4.365e-02

62 43 4.166e-02

62 42 3.971e-02

62 41 3.782e-02

62 40 3.596e-02

62 39 3.416e-02

62 38 3.240e-02

62 37 3.069e-02

62 36 2.903e-02

62 35 2.741e-02

62 34 2.585e-02

62 33 2.432e-02

62 32 2.285e-02

62 31 2.142e-02

62 30 2.005e-02

62 29 1.871e-02

62 28 1.743e-02

62 27 1.619e-02

62 26 1.500e-02

62 25 1.386e-02

62 24 1.277e-02

62 23 1.172e-02

62 22 1.072e-02

62 21 9.762e-03

62 20 8.853e-03

62 19 7.990e-03

62 18 7.174e-03

62 17 6.403e-03

62 16 5.678e-03

62 15 4.998e-03

62 14 4.363e-03

62 13 3.772e-03

62 12 3.226e-03

62 11 2.723e-03

62 10 2.264e-03

62 9 1.849e-03

62 8 1.477e-03

62 7 1.147e-03

62 6 8.590e-04

62 5 6.134e-04

62 4 4.093e-04

62 3 2.466e-04

62 2 1.248e-04

62 1 4.384e-05

61 60 7.762e-02

61 59 7.507e-02

61 58 7.256e-02

61 57 7.008e-02

61 56 6.765e-02

61 55 6.525e-02

61 54 6.290e-02

61 53 6.058e-02

61 52 5.830e-02

61 51 5.607e-02

61 50 5.388e-02

61 49 5.172e-02

61 48 4.961e-02

61 47 4.755e-02

61 46 4.552e-02

61 45 4.354e-02

61 44 4.160e-02

61 43 3.971e-02

61 42 3.786e-02

61 41 3.605e-02

61 40 3.428e-02

61 39 3.257e-02

61 38 3.089e-02

61 37 2.926e-02

61 36 2.768e-02

61 35 2.614e-02

61 34 2.464e-02

61 33 2.319e-02

61 32 2.178e-02

61 31 2.043e-02

61 30 1.911e-02

61 29 1.784e-02

61 28 1.662e-02

61 27 1.544e-02

61 26 1.430e-02

61 25 1.321e-02

61 24 1.217e-02

61 23 1.117e-02

61 22 1.022e-02

61 21 9.305e-03

61 20 8.438e-03

61 19 7.616e-03

61 18 6.838e-03

61 17 6.103e-03

61 16 5.411e-03

61 15 4.763e-03

61 14 4.157e-03

61 13 3.594e-03

61 12 3.074e-03

61 11 2.595e-03

61 10 2.158e-03

61 9 1.762e-03

61 8 1.407e-03

61 7 1.092e-03

61 6 8.183e-04

61 5 5.843e-04

61 4 3.899e-04

61 3 2.349e-04

61 2 1.189e-04

61 1 4.176e-05

60 59 7.144e-02

60 58 6.906e-02

60 57 6.670e-02

60 56 6.439e-02

60 55 6.211e-02

60 54 5.988e-02

60 53 5.767e-02

60 52 5.551e-02

60 51 5.339e-02

60 50 5.130e-02

60 49 4.925e-02

60 48 4.725e-02

60 47 4.528e-02

60 46 4.335e-02

60 45 4.147e-02

60 44 3.962e-02

60 43 3.782e-02

60 42 3.606e-02

60 41 3.433e-02

60 40 3.266e-02

60 39 3.102e-02

60 38 2.942e-02

60 37 2.787e-02

60 36 2.636e-02

60 35 2.490e-02

60 34 2.347e-02

60 33 2.209e-02

60 32 2.075e-02

60 31 1.946e-02

60 30 1.820e-02

60 29 1.700e-02

60 28 1.583e-02

60 27 1.471e-02

60 26 1.362e-02

60 25 1.259e-02

60 24 1.159e-02

60 23 1.064e-02

60 22 9.730e-03

60 21 8.862e-03

60 20 8.037e-03

60 19 7.253e-03

60 18 6.512e-03

60 17 5.812e-03

60 16 5.153e-03

60 15 4.535e-03

60 14 3.959e-03

60 13 3.422e-03

60 12 2.926e-03

60 11 2.470e-03

60 10 2.054e-03

60 9 1.677e-03

60 8 1.339e-03

60 7 1.040e-03

60 6 7.789e-04

60 5 5.561e-04

60 4 3.711e-04

60 3 2.235e-04

60 2 1.132e-04

60 1 3.974e-05

59 58 6.566e-02

59 57 6.343e-02

59 56 6.124e-02

59 55 5.908e-02

59 54 5.695e-02

59 53 5.486e-02

59 52 5.280e-02

59 51 5.079e-02

59 50 4.880e-02

59 49 4.686e-02

59 48 4.495e-02

59 47 4.308e-02

59 46 4.125e-02

59 45 3.946e-02

59 44 3.770e-02

59 43 3.599e-02

59 42 3.431e-02

59 41 3.268e-02

59 40 3.108e-02

59 39 2.952e-02

59 38 2.801e-02

59 37 2.653e-02

59 36 2.509e-02

59 35 2.370e-02

59 34 2.234e-02

59 33 2.103e-02

59 32 1.975e-02

59 31 1.852e-02

59 30 1.733e-02

59 29 1.618e-02

59 28 1.507e-02

59 27 1.400e-02

59 26 1.297e-02

59 25 1.198e-02

59 24 1.103e-02

59 23 1.013e-02

59 22 9.260e-03

59 21 8.434e-03

59 20 7.648e-03

59 19 6.903e-03

59 18 6.197e-03

59 17 5.530e-03

59 16 4.903e-03

59 15 4.315e-03

59 14 3.766e-03

59 13 3.256e-03

59 12 2.784e-03

59 11 2.350e-03

59 10 1.954e-03

59 9 1.595e-03

59 8 1.274e-03

59 7 9.889e-04

59 6 7.408e-04

59 5 5.289e-04

59 4 3.529e-04

59 3 2.125e-04

59 2 1.076e-04

59 1 3.778e-05

58 57 6.027e-02

58 56 5.818e-02

58 55 5.613e-02

58 54 5.412e-02

58 53 5.213e-02

58 52 5.018e-02

58 51 4.827e-02

58 50 4.639e-02

58 49 4.454e-02

58 48 4.273e-02

58 47 4.096e-02

58 46 3.922e-02

58 45 3.751e-02

58 44 3.585e-02

58 43 3.422e-02

58 42 3.263e-02

58 41 3.107e-02

58 40 2.955e-02

58 39 2.807e-02

58 38 2.663e-02

58 37 2.523e-02

58 36 2.386e-02

58 35 2.253e-02

58 34 2.125e-02

58 33 2.000e-02

58 32 1.878e-02

58 31 1.761e-02

58 30 1.648e-02

58 29 1.538e-02

58 28 1.433e-02

58 27 1.331e-02

58 26 1.233e-02

58 25 1.139e-02

58 24 1.049e-02

58 23 9.629e-03

58 22 8.805e-03

58 21 8.020e-03

58 20 7.272e-03

58 19 6.563e-03

58 18 5.892e-03

58 17 5.258e-03

58 16 4.662e-03

58 15 4.103e-03

58 14 3.580e-03

58 13 3.095e-03

58 12 2.646e-03

58 11 2.234e-03

58 10 1.857e-03

58 9 1.516e-03

58 8 1.210e-03

58 7 9.398e-04

58 6 7.039e-04

58 5 5.025e-04

58 4 3.353e-04

58 3 2.019e-04

58 2 1.022e-04

58 1 3.590e-05

57 56 5.523e-02

57 55 5.329e-02

57 54 5.138e-02

57 53 4.950e-02

57 52 4.765e-02

57 51 4.583e-02

57 50 4.405e-02

57 49 4.230e-02

57 48 4.058e-02

57 47 3.890e-02

57 46 3.725e-02

57 45 3.563e-02

57 44 3.405e-02

57 43 3.251e-02

57 42 3.099e-02

57 41 2.952e-02

57 40 2.808e-02

57 39 2.667e-02

57 38 2.530e-02

57 37 2.397e-02

57 36 2.267e-02

57 35 2.141e-02

57 34 2.019e-02

57 33 1.900e-02

57 32 1.785e-02

57 31 1.674e-02

57 30 1.566e-02

57 29 1.462e-02

57 28 1.361e-02

57 27 1.265e-02

57 26 1.172e-02

57 25 1.082e-02

57 24 9.968e-03

57 23 9.149e-03

57 22 8.366e-03

57 21 7.619e-03

57 20 6.909e-03

57 19 6.235e-03

57 18 5.597e-03

57 17 4.995e-03

57 16 4.428e-03

57 15 3.897e-03

57 14 3.401e-03

57 13 2.940e-03

57 12 2.513e-03

57 11 2.121e-03

57 10 1.764e-03

57 9 1.440e-03

57 8 1.149e-03

57 7 8.923e-04

57 6 6.683e-04

57 5 4.771e-04

57 4 3.183e-04

57 3 1.917e-04

57 2 9.703e-05

57 1 3.407e-05

56 55 5.054e-02

56 54 4.873e-02

56 53 4.695e-02

56 52 4.520e-02

56 51 4.348e-02

56 50 4.179e-02

56 49 4.013e-02

56 48 3.851e-02

56 47 3.691e-02

56 46 3.535e-02

56 45 3.381e-02

56 44 3.232e-02

56 43 3.085e-02

56 42 2.942e-02

56 41 2.802e-02

56 40 2.665e-02

56 39 2.532e-02

56 38 2.402e-02

56 37 2.275e-02

56 36 2.152e-02

56 35 2.033e-02

56 34 1.916e-02

56 33 1.804e-02

56 32 1.694e-02

56 31 1.589e-02

56 30 1.486e-02

56 29 1.388e-02

56 28 1.292e-02

56 27 1.201e-02

56 26 1.112e-02

56 25 1.028e-02

56 24 9.463e-03

56 23 8.685e-03

56 22 7.941e-03

56 21 7.232e-03

56 20 6.558e-03

56 19 5.918e-03

56 18 5.312e-03

56 17 4.740e-03

56 16 4.202e-03

56 15 3.698e-03

56 14 3.227e-03

56 13 2.789e-03

56 12 2.385e-03

56 11 2.013e-03

56 10 1.673e-03

56 9 1.366e-03

56 8 1.090e-03

56 7 8.464e-04

56 6 6.339e-04

56 5 4.525e-04

56 4 3.019e-04

56 3 1.818e-04

56 2 9.202e-05

56 1 3.231e-05

55 54 4.617e-02

55 53 4.449e-02

55 52 4.283e-02

55 51 4.120e-02

55 50 3.961e-02

55 49 3.804e-02

55 48 3.650e-02

55 47 3.499e-02

55 46 3.351e-02

55 45 3.206e-02

55 44 3.064e-02

55 43 2.925e-02

55 42 2.789e-02

55 41 2.656e-02

55 40 2.527e-02

55 39 2.401e-02

55 38 2.278e-02

55 37 2.158e-02

55 36 2.041e-02

55 35 1.928e-02

55 34 1.817e-02

55 33 1.711e-02

55 32 1.607e-02

55 31 1.507e-02

55 30 1.410e-02

55 29 1.316e-02

55 28 1.226e-02

55 27 1.139e-02

55 26 1.055e-02

55 25 9.746e-03

55 24 8.975e-03

55 23 8.236e-03

55 22 7.531e-03

55 21 6.859e-03

55 20 6.219e-03

55 19 5.612e-03

55 18 5.037e-03

55 17 4.495e-03

55 16 3.985e-03

55 15 3.506e-03

55 14 3.060e-03

55 13 2.644e-03

55 12 2.261e-03

55 11 1.908e-03

55 10 1.586e-03

55 9 1.294e-03

55 8 1.033e-03

55 7 8.021e-04

55 6 6.007e-04

55 5 4.288e-04

55 4 2.860e-04

55 3 1.723e-04

55 2 8.719e-05

55 1 3.061e-05

54 53 4.211e-02

54 52 4.054e-02

54 51 3.901e-02

54 50 3.750e-02

54 49 3.601e-02

54 48 3.456e-02

54 47 3.313e-02

54 46 3.173e-02

54 45 3.036e-02

54 44 2.902e-02

54 43 2.770e-02

54 42 2.642e-02

54 41 2.516e-02

54 40 2.394e-02

54 39 2.274e-02

54 38 2.158e-02

54 37 2.044e-02

54 36 1.934e-02

54 35 1.826e-02

54 34 1.722e-02

54 33 1.621e-02

54 32 1.523e-02

54 31 1.428e-02

54 30 1.336e-02

54 29 1.247e-02

54 28 1.161e-02

54 27 1.079e-02

54 26 9.996e-03

54 25 9.234e-03

54 24 8.503e-03

54 23 7.804e-03

54 22 7.135e-03

54 21 6.498e-03

54 20 5.892e-03

54 19 5.316e-03

54 18 4.772e-03

54 17 4.258e-03

54 16 3.774e-03

54 15 3.321e-03

54 14 2.898e-03

54 13 2.505e-03

54 12 2.141e-03

54 11 1.807e-03

54 10 1.502e-03

54 9 1.226e-03

54 8 9.784e-04

54 7 7.595e-04

54 6 5.687e-04

54 5 4.059e-04

54 4 2.708e-04

54 3 1.630e-04

54 2 8.252e-05

54 1 2.897e-05

53 52 3.834e-02

53 51 3.689e-02

53 50 3.546e-02

53 49 3.406e-02

53 48 3.269e-02

53 47 3.134e-02

53 46 3.002e-02

53 45 2.872e-02

53 44 2.745e-02

53 43 2.621e-02

53 42 2.500e-02

53 41 2.381e-02

53 40 2.265e-02

53 39 2.152e-02

53 38 2.042e-02

53 37 1.935e-02

53 36 1.830e-02

53 35 1.729e-02

53 34 1.630e-02

53 33 1.534e-02

53 32 1.441e-02

53 31 1.351e-02

53 30 1.264e-02

53 29 1.180e-02

53 28 1.099e-02

53 27 1.021e-02

53 26 9.462e-03

53 25 8.741e-03

53 24 8.049e-03

53 23 7.386e-03

53 22 6.754e-03

53 21 6.150e-03

53 20 5.576e-03

53 19 5.032e-03

53 18 4.516e-03

53 17 4.029e-03

53 16 3.572e-03

53 15 3.143e-03

53 14 2.742e-03

53 13 2.370e-03

53 12 2.026e-03

53 11 1.709e-03

53 10 1.421e-03

53 9 1.159e-03

53 8 9.254e-04

53 7 7.183e-04

53 6 5.379e-04

53 5 3.839e-04

53 4 2.560e-04

53 3 1.542e-04

53 2 7.803e-05

53 1 2.739e-05

52 51 3.484e-02

52 50 3.350e-02

52 49 3.218e-02

52 48 3.088e-02

52 47 2.961e-02

52 46 2.836e-02

52 45 2.714e-02

52 44 2.594e-02

52 43 2.477e-02

52 42 2.363e-02

52 41 2.251e-02

52 40 2.141e-02

52 39 2.035e-02

52 38 1.930e-02

52 37 1.829e-02

52 36 1.730e-02

52 35 1.634e-02

52 34 1.541e-02

52 33 1.451e-02

52 32 1.363e-02

52 31 1.278e-02

52 30 1.196e-02

52 29 1.116e-02

52 28 1.040e-02

52 27 9.657e-03

52 26 8.947e-03

52 25 8.265e-03

52 24 7.610e-03

52 23 6.984e-03

52 22 6.386e-03

52 21 5.815e-03

52 20 5.272e-03

52 19 4.757e-03

52 18 4.269e-03

52 17 3.809e-03

52 16 3.376e-03

52 15 2.971e-03

52 14 2.592e-03

52 13 2.240e-03

52 12 1.914e-03

52 11 1.615e-03

52 10 1.343e-03

52 9 1.096e-03

52 8 8.744e-04

52 7 6.787e-04

52 6 5.082e-04

52 5 3.626e-04

52 4 2.419e-04

52 3 1.456e-04

52 2 7.370e-05

52 1 2.587e-05

51 50 3.160e-02

51 49 3.036e-02

51 48 2.914e-02

51 47 2.794e-02

51 46 2.677e-02

51 45 2.562e-02

51 44 2.449e-02

51 43 2.339e-02

51 42 2.231e-02

51 41 2.125e-02

51 40 2.022e-02

51 39 1.921e-02

51 38 1.823e-02

51 37 1.727e-02

51 36 1.634e-02

51 35 1.543e-02

51 34 1.455e-02

51 33 1.370e-02

51 32 1.287e-02

51 31 1.207e-02

51 30 1.129e-02

51 29 1.054e-02

51 28 9.819e-03

51 27 9.122e-03

51 26 8.451e-03

51 25 7.806e-03

51 24 7.188e-03

51 23 6.597e-03

51 22 6.031e-03

51 21 5.492e-03

51 20 4.979e-03

51 19 4.493e-03

51 18 4.032e-03

51 17 3.597e-03

51 16 3.188e-03

51 15 2.805e-03

51 14 2.447e-03

51 13 2.115e-03

51 12 1.807e-03

51 11 1.525e-03

51 10 1.267e-03

51 9 1.034e-03

51 8 8.253e-04

51 7 6.405e-04

51 6 4.796e-04

51 5 3.422e-04

51 4 2.282e-04

51 3 1.374e-04

51 2 6.953e-05

51 1 2.441e-05

50 49 2.861e-02

50 48 2.747e-02

50 47 2.634e-02

50 46 2.524e-02

50 45 2.415e-02

50 44 2.309e-02

50 43 2.205e-02

50 42 2.103e-02

50 41 2.004e-02

50 40 1.907e-02

50 39 1.812e-02

50 38 1.719e-02

50 37 1.629e-02

50 36 1.541e-02

50 35 1.456e-02

50 34 1.373e-02

50 33 1.292e-02

50 32 1.214e-02

50 31 1.139e-02

50 30 1.065e-02

50 29 9.947e-03

50 28 9.264e-03

50 27 8.606e-03

50 26 7.973e-03

50 25 7.365e-03

50 24 6.782e-03

50 23 6.224e-03

50 22 5.690e-03

50 21 5.181e-03

50 20 4.697e-03

50 19 4.238e-03

50 18 3.803e-03

50 17 3.393e-03

50 16 3.007e-03

50 15 2.646e-03

50 14 2.308e-03

50 13 1.994e-03

50 12 1.704e-03

50 11 1.438e-03

50 10 1.195e-03

50 9 9.751e-04

50 8 7.781e-04

50 7 6.038e-04

50 6 4.521e-04

50 5 3.226e-04

50 4 2.151e-04

50 3 1.295e-04

50 2 6.553e-05

50 1 2.300e-05

49 48 2.585e-02

49 47 2.480e-02

49 46 2.376e-02

49 45 2.274e-02

49 44 2.174e-02

49 43 2.076e-02

49 42 1.981e-02

49 41 1.887e-02

49 40 1.796e-02

49 39 1.707e-02

49 38 1.620e-02

49 37 1.535e-02

49 36 1.452e-02

49 35 1.372e-02

49 34 1.294e-02

49 33 1.218e-02

49 32 1.144e-02

49 31 1.073e-02

49 30 1.004e-02

49 29 9.373e-03

49 28 8.730e-03

49 27 8.110e-03

49 26 7.514e-03

49 25 6.941e-03

49 24 6.391e-03

49 23 5.865e-03

49 22 5.362e-03

49 21 4.883e-03

49 20 4.426e-03

49 19 3.994e-03

49 18 3.584e-03

49 17 3.197e-03

49 16 2.833e-03

49 15 2.493e-03

49 14 2.174e-03

49 13 1.879e-03

49 12 1.606e-03

49 11 1.354e-03

49 10 1.125e-03

49 9 9.183e-04

49 8 7.327e-04

49 7 5.686e-04

49 6 4.256e-04

49 5 3.037e-04

49 4 2.025e-04

49 3 1.219e-04

49 2 6.168e-05

49 1 2.165e-05

48 47 2.331e-02

48 46 2.234e-02

48 45 2.138e-02

48 44 2.045e-02

48 43 1.953e-02

48 42 1.863e-02

48 41 1.775e-02

48 40 1.689e-02

48 39 1.606e-02

48 38 1.524e-02

48 37 1.444e-02

48 36 1.366e-02

48 35 1.291e-02

48 34 1.217e-02

48 33 1.146e-02

48 32 1.077e-02

48 31 1.010e-02

48 30 9.449e-03

48 29 8.822e-03

48 28 8.217e-03

48 27 7.634e-03

48 26 7.072e-03

48 25 6.533e-03

48 24 6.015e-03

48 23 5.520e-03

48 22 5.047e-03

48 21 4.595e-03

48 20 4.166e-03

48 19 3.758e-03

48 18 3.373e-03

48 17 3.009e-03

48 16 2.666e-03

48 15 2.345e-03

48 14 2.046e-03

48 13 1.768e-03

48 12 1.510e-03

48 11 1.274e-03

48 10 1.059e-03

48 9 8.637e-04

48 8 6.891e-04

48 7 5.347e-04

48 6 4.002e-04

48 5 2.855e-04

48 4 1.904e-04

48 3 1.146e-04

48 2 5.799e-05

48 1 2.035e-05

47 46 2.097e-02

47 45 2.008e-02

47 44 1.920e-02

47 43 1.834e-02

47 42 1.750e-02

47 41 1.668e-02

47 40 1.587e-02

47 39 1.508e-02

47 38 1.432e-02

47 37 1.357e-02

47 36 1.284e-02

47 35 1.213e-02

47 34 1.144e-02

47 33 1.077e-02

47 32 1.012e-02

47 31 9.491e-03

47 30 8.882e-03

47 29 8.293e-03

47 28 7.724e-03

47 27 7.176e-03

47 26 6.648e-03

47 25 6.141e-03

47 24 5.655e-03

47 23 5.189e-03

47 22 4.744e-03

47 21 4.320e-03

47 20 3.916e-03

47 19 3.533e-03

47 18 3.170e-03

47 17 2.828e-03

47 16 2.506e-03

47 15 2.204e-03

47 14 1.923e-03

47 13 1.661e-03

47 12 1.419e-03

47 11 1.197e-03

47 10 9.946e-04

47 9 8.114e-04

47 8 6.473e-04

47 7 5.022e-04

47 6 3.759e-04

47 5 2.682e-04

47 4 1.788e-04

47 3 1.076e-04

47 2 5.444e-05

47 1 1.911e-05

46 45 1.883e-02

46 44 1.800e-02

46 43 1.720e-02

46 42 1.641e-02

46 41 1.564e-02

46 40 1.489e-02

46 39 1.415e-02

46 38 1.343e-02

46 37 1.273e-02

46 36 1.205e-02

46 35 1.138e-02

46 34 1.074e-02

46 33 1.011e-02

46 32 9.500e-03

46 31 8.909e-03

46 30 8.337e-03

46 29 7.784e-03

46 28 7.251e-03

46 27 6.736e-03

46 26 6.241e-03

46 25 5.765e-03

46 24 5.308e-03

46 23 4.871e-03

46 22 4.453e-03

46 21 4.055e-03

46 20 3.676e-03

46 19 3.316e-03

46 18 2.976e-03

46 17 2.654e-03

46 16 2.352e-03

46 15 2.069e-03

46 14 1.804e-03

46 13 1.559e-03

46 12 1.332e-03

46 11 1.123e-03

46 10 9.331e-04

46 9 7.612e-04

46 8 6.072e-04

46 7 4.711e-04

46 6 3.526e-04

46 5 2.515e-04

46 4 1.677e-04

46 3 1.009e-04

46 2 5.105e-05

46 1 1.792e-05

45 44 1.686e-02

45 43 1.611e-02

45 42 1.537e-02

45 41 1.465e-02

45 40 1.395e-02

45 39 1.326e-02

45 38 1.259e-02

45 37 1.193e-02

45 36 1.129e-02

45 35 1.067e-02

45 34 1.006e-02

45 33 9.474e-03

45 32 8.904e-03

45 31 8.350e-03

45 30 7.815e-03

45 29 7.297e-03

45 28 6.797e-03

45 27 6.315e-03

45 26 5.851e-03

45 25 5.404e-03

45 24 4.976e-03

45 23 4.567e-03

45 22 4.175e-03

45 21 3.801e-03

45 20 3.446e-03

45 19 3.108e-03

45 18 2.789e-03

45 17 2.488e-03

45 16 2.204e-03

45 15 1.939e-03

45 14 1.691e-03

45 13 1.461e-03

45 12 1.248e-03

45 11 1.053e-03

45 10 8.743e-04

45 9 7.131e-04

45 8 5.688e-04

45 7 4.413e-04

45 6 3.302e-04

45 5 2.355e-04

45 4 1.570e-04

45 3 9.449e-05

45 2 4.779e-05

45 1 1.677e-05

44 43 1.506e-02

44 42 1.437e-02

44 41 1.370e-02

44 40 1.304e-02

44 39 1.240e-02

44 38 1.177e-02

44 37 1.116e-02

44 36 1.056e-02

44 35 9.982e-03

44 34 9.416e-03

44 33 8.866e-03

44 32 8.333e-03

44 31 7.815e-03

44 30 7.314e-03

44 29 6.830e-03

44 28 6.362e-03

44 27 5.911e-03

44 26 5.477e-03

44 25 5.059e-03

44 24 4.659e-03

44 23 4.275e-03

44 22 3.908e-03

44 21 3.558e-03

44 20 3.226e-03

44 19 2.910e-03

44 18 2.611e-03

44 17 2.329e-03

44 16 2.063e-03

44 15 1.815e-03

44 14 1.582e-03

44 13 1.367e-03

44 12 1.168e-03

44 11 9.848e-04

44 10 8.180e-04

44 9 6.671e-04

44 8 5.321e-04

44 7 4.127e-04

44 6 3.088e-04

44 5 2.202e-04

44 4 1.468e-04

44 3 8.834e-05

44 2 4.468e-05

44 1 1.568e-05

43 42 1.342e-02

43 41 1.279e-02

43 40 1.218e-02

43 39 1.158e-02

43 38 1.099e-02

43 37 1.042e-02

43 36 9.867e-03

43 35 9.325e-03

43 34 8.797e-03

43 33 8.284e-03

43 32 7.786e-03

43 31 7.303e-03

43 30 6.835e-03

43 29 6.383e-03

43 28 5.946e-03

43 27 5.525e-03

43 26 5.119e-03

43 25 4.729e-03

43 24 4.354e-03

43 23 3.996e-03

43 22 3.653e-03

43 21 3.326e-03

43 20 3.015e-03

43 19 2.720e-03

43 18 2.440e-03

43 17 2.176e-03

43 16 1.928e-03

43 15 1.696e-03

43 14 1.479e-03

43 13 1.277e-03

43 12 1.091e-03

43 11 9.200e-04

43 10 7.641e-04

43 9 6.231e-04

43 8 4.970e-04

43 7 3.854e-04

43 6 2.884e-04

43 5 2.057e-04

43 4 1.371e-04

43 3 8.247e-05

43 2 4.171e-05

43 1 1.464e-05

42 41 1.192e-02

42 40 1.135e-02

42 39 1.079e-02

42 38 1.025e-02

42 37 9.719e-03

42 36 9.201e-03

42 35 8.696e-03

42 34 8.205e-03

42 33 7.727e-03

42 32 7.263e-03

42 31 6.813e-03

42 30 6.377e-03

42 29 5.955e-03

42 28 5.548e-03

42 27 5.155e-03

42 26 4.777e-03

42 25 4.413e-03

42 24 4.063e-03

42 23 3.729e-03

42 22 3.409e-03

42 21 3.104e-03

42 20 2.813e-03

42 19 2.538e-03

42 18 2.277e-03

42 17 2.031e-03

42 16 1.799e-03

42 15 1.582e-03

42 14 1.380e-03

42 13 1.192e-03

42 12 1.018e-03

42 11 8.582e-04

42 10 7.127e-04

42 9 5.811e-04

42 8 4.634e-04

42 7 3.594e-04

42 6 2.689e-04

42 5 1.917e-04

42 4 1.278e-04

42 3 7.687e-05

42 2 3.887e-05

42 1 1.364e-05

41 40 1.056e-02

41 39 1.004e-02

41 38 9.539e-03

41 37 9.046e-03

41 36 8.565e-03

41 35 8.096e-03

41 34 7.639e-03

41 33 7.195e-03

41 32 6.764e-03

41 31 6.345e-03

41 30 5.940e-03

41 29 5.547e-03

41 28 5.168e-03

41 27 4.802e-03

41 26 4.450e-03

41 25 4.111e-03

41 24 3.786e-03

41 23 3.474e-03

41 22 3.176e-03

41 21 2.892e-03

41 20 2.621e-03

41 19 2.364e-03

41 18 2.121e-03

41 17 1.892e-03

41 16 1.676e-03

41 15 1.474e-03

41 14 1.285e-03

41 13 1.110e-03

41 12 9.478e-04

41 11 7.991e-04

41 10 6.636e-04

41 9 5.411e-04

41 8 4.314e-04

41 7 3.345e-04

41 6 2.503e-04

41 5 1.784e-04

41 4 1.189e-04

41 3 7.152e-05

41 2 3.617e-05

41 1 1.269e-05

40 39 9.329e-03

40 38 8.861e-03

40 37 8.404e-03

40 36 7.958e-03

40 35 7.523e-03

40 34 7.099e-03

40 33 6.687e-03

40 32 6.287e-03

40 31 5.898e-03

40 30 5.522e-03

40 29 5.157e-03

40 28 4.805e-03

40 27 4.465e-03

40 26 4.138e-03

40 25 3.823e-03

40 24 3.521e-03

40 23 3.231e-03

40 22 2.954e-03

40 21 2.689e-03

40 20 2.438e-03

40 19 2.199e-03

40 18 1.973e-03

40 17 1.759e-03

40 16 1.558e-03

40 15 1.370e-03

40 14 1.195e-03

40 13 1.032e-03

40 12 8.812e-04

40 11 7.429e-04

40 10 6.168e-04

40 9 5.029e-04

40 8 4.010e-04

40 7 3.109e-04

40 6 2.325e-04

40 5 1.658e-04

40 4 1.104e-04

40 3 6.643e-05

40 2 3.359e-05

40 1 1.178e-05

39 38 8.214e-03

39 37 7.791e-03

39 36 7.379e-03

39 35 6.977e-03

39 34 6.585e-03

39 33 6.203e-03

39 32 5.833e-03

39 31 5.473e-03

39 30 5.124e-03

39 29 4.786e-03

39 28 4.460e-03

39 27 4.144e-03

39 26 3.841e-03

39 25 3.549e-03

39 24 3.268e-03

39 23 2.999e-03

39 22 2.742e-03

39 21 2.497e-03

39 20 2.263e-03

39 19 2.041e-03

39 18 1.831e-03

39 17 1.633e-03

39 16 1.447e-03

39 15 1.272e-03

39 14 1.109e-03

39 13 9.576e-04

39 12 8.177e-04

39 11 6.893e-04

39 10 5.723e-04

39 9 4.666e-04

39 8 3.719e-04

39 7 2.883e-04

39 6 2.156e-04

39 5 1.537e-04

39 4 1.024e-04

39 3 6.159e-05

39 2 3.114e-05

39 1 1.092e-05

38 37 7.209e-03

38 36 6.828e-03

38 35 6.457e-03

38 34 6.095e-03

38 33 5.743e-03

38 32 5.400e-03

38 31 5.067e-03

38 30 4.745e-03

38 29 4.433e-03

38 28 4.131e-03

38 27 3.839e-03

38 26 3.558e-03

38 25 3.287e-03

38 24 3.028e-03

38 23 2.779e-03

38 22 2.540e-03

38 21 2.313e-03

38 20 2.097e-03

38 19 1.891e-03

38 18 1.697e-03

38 17 1.513e-03

38 16 1.340e-03

38 15 1.178e-03

38 14 1.027e-03

38 13 8.870e-04

38 12 7.574e-04

38 11 6.384e-04

38 10 5.300e-04

38 9 4.320e-04

38 8 3.444e-04

38 7 2.669e-04

38 6 1.996e-04

38 5 1.423e-04

38 4 9.477e-05

38 3 5.699e-05

38 2 2.881e-05

38 1 1.010e-05

37 36 6.304e-03

37 35 5.962e-03

37 34 5.629e-03

37 33 5.304e-03

37 32 4.989e-03

37 31 4.682e-03

37 30 4.385e-03

37 29 4.096e-03

37 28 3.818e-03

37 27 3.548e-03

37 26 3.289e-03

37 25 3.039e-03

37 24 2.799e-03

37 23 2.569e-03

37 22 2.349e-03

37 21 2.139e-03

37 20 1.939e-03

37 19 1.749e-03

37 18 1.569e-03

37 17 1.399e-03

37 16 1.239e-03

37 15 1.089e-03

37 14 9.497e-04

37 13 8.199e-04

37 12 7.001e-04

37 11 5.901e-04

37 10 4.898e-04

37 9 3.992e-04

37 8 3.182e-04

37 7 2.466e-04

37 6 1.844e-04

37 5 1.314e-04

37 4 8.752e-05

37 3 5.262e-05

37 2 2.660e-05

37 1 9.328e-06

36 35 5.493e-03

36 34 5.187e-03

36 33 4.888e-03

36 32 4.598e-03

36 31 4.316e-03

36 30 4.043e-03

36 29 3.777e-03

36 28 3.521e-03

36 27 3.273e-03

36 26 3.034e-03

36 25 2.803e-03

36 24 2.582e-03

36 23 2.370e-03

36 22 2.167e-03

36 21 1.973e-03

36 20 1.789e-03

36 19 1.613e-03

36 18 1.447e-03

36 17 1.291e-03

36 16 1.143e-03

36 15 1.005e-03

36 14 8.761e-04

36 13 7.564e-04

36 12 6.457e-04

36 11 5.442e-04

36 10 4.517e-04

36 9 3.681e-04

36 8 2.934e-04

36 7 2.273e-04

36 6 1.700e-04

36 5 1.211e-04

36 4 8.065e-05

36 3 4.849e-05

36 2 2.450e-05

36 1 8.593e-06

35 34 4.767e-03

35 33 4.494e-03

35 32 4.228e-03

35 31 3.969e-03

35 30 3.718e-03

35 29 3.475e-03

35 28 3.239e-03

35 27 3.011e-03

35 26 2.792e-03

35 25 2.580e-03

35 24 2.377e-03

35 23 2.182e-03

35 22 1.995e-03

35 21 1.816e-03

35 20 1.647e-03

35 19 1.485e-03

35 18 1.332e-03

35 17 1.188e-03

35 16 1.052e-03

35 15 9.252e-04

35 14 8.064e-04

35 13 6.961e-04

35 12 5.943e-04

35 11 5.008e-04

35 10 4.156e-04

35 9 3.387e-04

35 8 2.699e-04

35 7 2.091e-04

35 6 1.563e-04

35 5 1.114e-04

35 4 7.415e-05

35 3 4.457e-05

35 2 2.252e-05

35 1 7.897e-06

34 33 4.121e-03

34 32 3.877e-03

34 31 3.641e-03

34 30 3.411e-03

34 29 3.188e-03

34 28 2.972e-03

34 27 2.764e-03

34 26 2.562e-03

34 25 2.368e-03

34 24 2.182e-03

34 23 2.003e-03

34 22 1.832e-03

34 21 1.668e-03

34 20 1.512e-03

34 19 1.364e-03

34 18 1.224e-03

34 17 1.091e-03

34 16 9.665e-04

34 15 8.496e-04

34 14 7.405e-04

34 13 6.392e-04

34 12 5.456e-04

34 11 4.598e-04

34 10 3.815e-04

34 9 3.109e-04

34 8 2.477e-04

34 7 1.919e-04

34 6 1.434e-04

34 5 1.022e-04

34 4 6.801e-05

34 3 4.087e-05

34 2 2.065e-05

34 1 7.240e-06

33 32 3.546e-03

33 31 3.330e-03

33 30 3.121e-03

33 29 2.917e-03

33 28 2.720e-03

33 27 2.530e-03

33 26 2.346e-03

33 25 2.169e-03

33 24 1.998e-03

33 23 1.834e-03

33 22 1.678e-03

33 21 1.528e-03

33 20 1.385e-03

33 19 1.249e-03

33 18 1.121e-03

33 17 9.995e-04

33 16 8.853e-04

33 15 7.782e-04

33 14 6.783e-04

33 13 5.854e-04

33 12 4.997e-04

33 11 4.210e-04

33 10 3.493e-04

33 9 2.846e-04

33 8 2.267e-04

33 7 1.756e-04

33 6 1.312e-04

33 5 9.347e-05

33 4 6.222e-05

33 3 3.739e-05

33 2 1.889e-05

33 1 6.620e-06

32 31 3.037e-03

32 30 2.847e-03

32 29 2.662e-03

32 28 2.483e-03

32 27 2.309e-03

32 26 2.142e-03

32 25 1.980e-03

32 24 1.825e-03

32 23 1.675e-03

32 22 1.532e-03

32 21 1.396e-03

32 20 1.265e-03

32 19 1.141e-03

32 18 1.024e-03

32 17 9.131e-04

32 16 8.088e-04

32 15 7.109e-04

32 14 6.196e-04

32 13 5.348e-04

32 12 4.564e-04

32 11 3.845e-04

32 10 3.190e-04

32 9 2.599e-04

32 8 2.070e-04

32 7 1.603e-04

32 6 1.198e-04

32 5 8.529e-05

32 4 5.676e-05

32 3 3.410e-05

32 2 1.723e-05

32 1 6.037e-06

31 30 2.589e-03

31 29 2.421e-03

31 28 2.259e-03

31 27 2.101e-03

31 26 1.949e-03

31 25 1.802e-03

31 24 1.661e-03

31 23 1.525e-03

31 22 1.395e-03

31 21 1.271e-03

31 20 1.152e-03

31 19 1.040e-03

31 18 9.328e-04

31 17 8.318e-04

31 16 7.367e-04

31 15 6.476e-04

31 14 5.644e-04

31 13 4.871e-04

31 12 4.157e-04

31 11 3.502e-04

31 10 2.905e-04

31 9 2.366e-04

31 8 1.884e-04

31 7 1.459e-04

31 6 1.090e-04

31 5 7.760e-05

31 4 5.164e-05

31 3 3.102e-05

31 2 1.567e-05

31 1 5.490e-06

30 29 2.195e-03

30 28 2.048e-03

30 27 1.906e-03

30 26 1.768e-03

30 25 1.635e-03

30 24 1.507e-03

30 23 1.385e-03

30 22 1.267e-03

30 21 1.154e-03

30 20 1.046e-03

30 19 9.441e-04

30 18 8.471e-04

30 17 7.554e-04

30 16 6.691e-04

30 15 5.881e-04

30 14 5.125e-04

30 13 4.423e-04

30 12 3.775e-04

30 11 3.179e-04

30 10 2.637e-04

30 9 2.148e-04

30 8 1.710e-04

30 7 1.324e-04

30 6 9.890e-05

30 5 7.040e-05

30 4 4.683e-05

30 3 2.813e-05

30 2 1.420e-05

30 1 4.976e-06

29 28 1.851e-03

29 27 1.722e-03

29 26 1.598e-03

29 25 1.479e-03

29 24 1.363e-03

29 23 1.252e-03

29 22 1.146e-03

29 21 1.044e-03

29 20 9.469e-04

29 19 8.544e-04

29 18 7.667e-04

29 17 6.838e-04

29 16 6.056e-04

29 15 5.324e-04

29 14 4.639e-04

29 13 4.004e-04

29 12 3.416e-04

29 11 2.877e-04

29 10 2.387e-04

29 9 1.943e-04

29 8 1.547e-04

29 7 1.198e-04

29 6 8.944e-05

29 5 6.365e-05

29 4 4.234e-05

29 3 2.542e-05

29 2 1.283e-05

29 1 4.495e-06

28 27 1.551e-03

28 26 1.440e-03

28 25 1.332e-03

28 24 1.228e-03

28 23 1.129e-03

28 22 1.033e-03

28 21 9.414e-04

28 20 8.539e-04

28 19 7.706e-04

28 18 6.915e-04

28 17 6.167e-04

28 16 5.463e-04

28 15 4.802e-04

28 14 4.185e-04

28 13 3.611e-04

28 12 3.081e-04

28 11 2.595e-04

28 10 2.152e-04

28 9 1.752e-04

28 8 1.395e-04

28 7 1.080e-04

28 6 8.060e-05

28 5 5.735e-05

28 4 3.814e-05

28 3 2.289e-05

28 2 1.155e-05

28 1 4.047e-06

27 26 1.291e-03

27 25 1.195e-03

27 24 1.102e-03

27 23 1.013e-03

27 22 9.275e-04

27 21 8.454e-04

27 20 7.670e-04

27 19 6.922e-04

27 18 6.213e-04

27 17 5.542e-04

27 16 4.909e-04

27 15 4.316e-04

27 14 3.761e-04

27 13 3.245e-04

27 12 2.769e-04

27 11 2.332e-04

27 10 1.934e-04

27 9 1.574e-04

27 8 1.253e-04

27 7 9.695e-05

27 6 7.236e-05

27 5 5.148e-05

27 4 3.422e-05

27 3 2.054e-05

27 2 1.036e-05

27 1 3.629e-06

26 25 1.068e-03

26 24 9.851e-04

26 23 9.056e-04

26 22 8.292e-04

26 21 7.560e-04

26 20 6.860e-04

26 19 6.193e-04

26 18 5.559e-04

26 17 4.959e-04

26 16 4.394e-04

26 15 3.862e-04

26 14 3.366e-04

26 13 2.905e-04

26 12 2.478e-04

26 11 2.087e-04

26 10 1.730e-04

26 9 1.408e-04

26 8 1.121e-04

26 7 8.671e-05

26 6 6.471e-05

26 5 4.602e-05

26 4 3.059e-05

26 3 1.835e-05

26 2 9.259e-06

26 1 3.241e-06

25 24 8.761e-04

25 23 8.057e-04

25 22 7.380e-04

25 21 6.730e-04

25 20 6.108e-04

25 19 5.515e-04

25 18 4.952e-04

25 17 4.418e-04

25 16 3.915e-04

25 15 3.442e-04

25 14 3.000e-04

25 13 2.589e-04

25 12 2.209e-04

25 11 1.860e-04

25 10 1.542e-04

25 9 1.255e-04

25 8 9.983e-05

25 7 7.722e-05

25 6 5.762e-05

25 5 4.097e-05

25 4 2.722e-05

25 3 1.633e-05

25 2 8.235e-06

25 1 2.882e-06

24 23 7.131e-04

24 22 6.534e-04

24 21 5.961e-04

24 20 5.412e-04

24 19 4.888e-04

24 18 4.390e-04

24 17 3.917e-04

24 16 3.471e-04

24 15 3.052e-04

24 14 2.661e-04

24 13 2.296e-04

24 12 1.959e-04

24 11 1.649e-04

24 10 1.367e-04

24 9 1.113e-04

24 8 8.851e-05

24 7 6.845e-05

24 6 5.106e-05

24 5 3.630e-05

24 4 2.411e-05

24 3 1.446e-05

24 2 7.289e-06

24 1 2.550e-06

23 22 5.753e-04

23 21 5.251e-04

23 20 4.769e-04

23 19 4.309e-04

23 18 3.871e-04

23 17 3.455e-04

23 16 3.062e-04

23 15 2.693e-04

23 14 2.348e-04

23 13 2.026e-04

23 12 1.729e-04

23 11 1.455e-04

23 10 1.206e-04

23 9 9.816e-05

23 8 7.807e-05

23 7 6.037e-05

23 6 4.502e-05

23 5 3.199e-05

23 4 2.125e-05

23 3 1.274e-05

23 2 6.419e-06

23 1 2.245e-06

22 21 4.597e-04

22 20 4.177e-04

22 19 3.776e-04

22 18 3.393e-04

22 17 3.030e-04

22 16 2.686e-04

22 15 2.363e-04

22 14 2.060e-04

22 13 1.778e-04

22 12 1.517e-04

22 11 1.277e-04

22 10 1.059e-04

22 9 8.613e-05

22 8 6.849e-05

22 7 5.295e-05

22 6 3.948e-05

22 5 2.805e-05

22 4 1.862e-05

22 3 1.116e-05

22 2 5.621e-06

22 1 1.966e-06

21 20 3.635e-04

21 19 3.287e-04

21 18 2.955e-04

21 17 2.640e-04

21 16 2.341e-04

21 15 2.060e-04

21 14 1.796e-04

21 13 1.551e-04

21 12 1.323e-04

21 11 1.114e-04

21 10 9.234e-05

21 9 7.512e-05

21 8 5.973e-05

21 7 4.617e-05

21 6 3.441e-05

21 5 2.444e-05

21 4 1.622e-05

21 3 9.715e-06

21 2 4.892e-06

21 1 1.710e-06

20 19 2.841e-04

20 18 2.556e-04

20 17 2.284e-04

20 16 2.026e-04

20 15 1.783e-04

20 14 1.556e-04

20 13 1.343e-04

20 12 1.146e-04

20 11 9.653e-05

20 10 8.001e-05

20 9 6.508e-05

20 8 5.174e-05

20 7 3.998e-05

20 6 2.980e-05

20 5 2.115e-05

20 4 1.403e-05

20 3 8.403e-06

20 2 4.230e-06

20 1 1.478e-06

19 18 2.192e-04

19 17 1.960e-04

19 16 1.740e-04

19 15 1.532e-04

19 14 1.337e-04

19 13 1.155e-04

19 12 9.859e-05

19 11 8.302e-05

19 10 6.882e-05

19 9 5.597e-05

19 8 4.450e-05

19 7 3.438e-05

19 6 2.561e-05

19 5 1.818e-05

19 4 1.205e-05

19 3 7.214e-06

19 2 3.629e-06

19 1 1.268e-06

18 17 1.668e-04

18 16 1.482e-04

18 15 1.305e-04

18 14 1.140e-04

18 13 9.846e-05

18 12 8.408e-05

18 11 7.082e-05

18 10 5.871e-05

18 9 4.775e-05

18 8 3.796e-05

18 7 2.932e-05

18 6 2.184e-05

18 5 1.549e-05

18 4 1.027e-05

18 3 6.143e-06

18 2 3.089e-06

18 1 1.078e-06

17 16 1.249e-04

17 15 1.101e-04

17 14 9.620e-05

17 13 8.316e-05

17 12 7.104e-05

17 11 5.986e-05

17 10 4.963e-05

17 9 4.037e-05

17 8 3.209e-05

17 7 2.478e-05

17 6 1.845e-05

17 5 1.309e-05

17 4 8.670e-06

17 3 5.184e-06

17 2 2.605e-06

17 1 9.088e-07

16 15 9.189e-05

16 14 8.033e-05

16 13 6.949e-05

16 12 5.939e-05

16 11 5.007e-05

16 10 4.152e-05

16 9 3.378e-05

16 8 2.685e-05

16 7 2.074e-05

16 6 1.544e-05

16 5 1.094e-05

16 4 7.247e-06

16 3 4.330e-06

16 2 2.175e-06

16 1 7.581e-07

15 14 6.626e-05

15 13 5.736e-05

15 12 4.907e-05

15 11 4.138e-05

15 10 3.434e-05

15 9 2.794e-05

15 8 2.222e-05

15 7 1.716e-05

15 6 1.277e-05

15 5 9.048e-06

15 4 5.988e-06

15 3 3.576e-06

15 2 1.795e-06

15 1 6.251e-07

14 13 4.669e-05

14 12 3.997e-05

14 11 3.374e-05

14 10 2.802e-05

14 9 2.281e-05

14 8 1.814e-05

14 7 1.401e-05

14 6 1.042e-05

14 5 7.384e-06

14 4 4.885e-06

14 3 2.915e-06

14 2 1.462e-06

14 1 5.087e-07

13 12 3.205e-05

13 11 2.708e-05

13 10 2.250e-05

13 9 1.834e-05

13 8 1.459e-05

13 7 1.127e-05

13 6 8.384e-06

13 5 5.938e-06

13 4 3.925e-06

13 3 2.341e-06

13 2 1.173e-06

13 1 4.077e-07

12 11 2.133e-05

12 10 1.775e-05

12 9 1.447e-05

12 8 1.152e-05

12 7 8.905e-06

12 6 6.627e-06

12 5 4.692e-06

12 4 3.101e-06

12 3 1.847e-06

12 2 9.245e-07

12 1 3.210e-07

11 10 1.369e-05

11 9 1.118e-05

11 8 8.914e-06

11 7 6.893e-06

11 6 5.132e-06

11 5 3.633e-06

11 4 2.400e-06

11 3 1.429e-06

11 2 7.141e-07

11 1 2.476e-07

10 9 8.420e-06

10 8 6.722e-06

10 7 5.205e-06

10 6 3.877e-06

10 5 2.746e-06

10 4 1.813e-06

10 3 1.078e-06

10 2 5.383e-07

10 1 1.864e-07

9 8 4.913e-06

9 7 3.811e-06

9 6 2.843e-06

9 5 2.015e-06

9 4 1.330e-06

9 3 7.906e-07

9 2 3.941e-07

9 1 1.362e-07

8 7 2.685e-06

8 6 2.007e-06

8 5 1.425e-06

8 4 9.410e-07

8 3 5.590e-07

8 2 2.782e-07

8 1 9.591e-08

7 6 1.350e-06

7 5 9.607e-07

7 4 6.355e-07

7 3 3.775e-07

7 2 1.876e-07

7 1 6.450e-08

6 5 6.080e-07

6 4 4.035e-07

6 3 2.400e-07

6 2 1.191e-07

6 1 4.082e-08

5 4 2.351e-07

5 3 1.403e-07

5 2 6.968e-08

5 1 2.379e-08

4 3 7.253e-08

4 2 3.615e-08

4 1 1.231e-08

3 2 1.547e-08

3 1 5.272e-09

2 1 1.596e-09